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Well	ĩđ.	Code:	IN-4	

COMPILATION OF INDUSTRIAL AND MUNICIPAL INJECTION WELLS IN THE UNITED STATES

reim.	it Status:) E\		Lactorat Star	JUS: NU-Ul'
Opera	ating Company N	ame and Address	: FMC C	orporation	
*	~ a		P.O.	Box 34 - New	port, Indiana
			emili vermini Giorne i Assilli Male VII lienel		ಕಾಲಿಯಾಗುವಾಗ ಆರ್ಥ್ಯಾಯಾಗಾವಾಗಿ ಮುಂದುಭಾವಣೆಗಾಲ್ಲೇ ಕಾರ್ಮಿಕಾಗ್ನಿ ಸಂಸ್ಥೆ ಸಾಗುತ್ತಾರಾವರೆ ಹೊಡುವಾದು ಕಾರ್ಮಿಕಾಗುವ ಬೆರೆಯಾಡಿದೆ
I. (JENERAL IDENTIF	ICATION DATA			
	gregory 2 , 1992 <u>1992 1992 1992 1992 1992 1992 199</u>	nick singer and the second conference of the second control of the			
1. 1	Entry Date of D	ata: (Dav) 01	(Mont	a) 12	(Year) 72
2. 1	Latitude and Lo	nottude: N/A	of a second		
3. 1	Wall Tocation (Tacel Decripti	mi ne	1/4 NW 1/4	, Sec. 9, T16N, R6W
۰ • (.	TOLL INVENTORS (refer reservive	VIA / 6 1111	1 1 T 9 1 W 1 / T	3 CCF 9 \ 3 TTG5 3 TG68
4. (County: Vermi	Ilion		ate: India	nneres (premiero na maneria estre a monte de la composição de la composição de la composição de la composição Vintra de la composição d
5.	SIC Classificat	100 3561	**************************************	2000	
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TT	GENERAL DATA O	NI WETT CTTE			
44.9	CHARLET DATA O				
·n r	Nine of Wate T	ninetal N/A			
1	lype of Waste I	Macren: 11/v	Trimbhhitanianianianiani	marieni-runique Banniljani Ganriani Delidar, massilas ma	р-и-С. С. А. Антом состем гостой инсидент формация в при в при В при в п
•		**************************************			
2 5	Date Marin Resemble	en e		Carrier Last and	<u>5/22/60</u>
2. [Date Well Permi	rrea:	Zakina yan nyyangi mandany (Ciria wita wanana garang	completed	
3.	Injection Rate:	ou gpm			
4.	Injection Press	ure: 1000 psi	Artista Research and Continued Interna-	, pp	maganess of the material constraints (and terminally have distributed in the constraint of the constra
5. 3	Notal Depth of	Well: P100	Begalfamilianskiski jegganikombine (Banca)		name tit taatil teenen yn ministeriaan kan dichter van gewonne men gewonne gewonne maar kan tit die stere gewonne gewo
6. I	Name, Age, and	rebru of Tulecr	ion Zone:	Mt. Simon	, Cambrian, 5260
a-m	~ · · · · · · · · · · · · · · · · · · ·	om de s	***		aristanii kanad kirjonymiy indekii ne kiimmangi kepuniike viiin kiimmahanne jammana maanaman maaya maanay yy m
7. 1	Date Injection : Total Volume In Date Injection	ReGau: (Day)	To (Mon	tn) 10	(Year) 60
8	lotal Volume in	jected to Date:	150,00	0,000	(Gallons)
9. 1	Date Injection	Ceased: (Day)_	N/A (Mon	th)	(Year)
10.	Previous Mode o	f Disposal:N	I/A	,	
		halandan gyypadatti ana lijona dallanda ana ana dada armida kalaysina ana ana bigida dana farina ana			
III.	GEOLOGIC INFO	RMATION		•	•
	Lithology and S				
i	A. Geological	Description of	Rock Unit	s Penetrated	by Well
(a)		(b)	(c)	(d)	(e)
Neme		Age	Depth	Thickness	Lithologic Description
Cinc	innatian	Ace Ordovician	1880	319	(e) <u>Lithologic Description</u> shale
Tren	ton	Ordovician	2199	161	limestone
Blac	k River	Ordovician	2360	450	limestone
Knox		Cambrian	2819	1600	dolomite
	Claire	Cambrian	4420	840	limestone, shale
	Simon	Cambrian	5260	900	The second secon
11 to 8		OCHIDITAL	2200)	limescone supply
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B. Geologic Description of Injection Unit and Other Possible Units

	<u>Injection Unit</u>	Confining Bed
.) Name	Mt. Simon	
Depth (Ft.)	5260	
) Thickness (Ft.)	900	5000
) Formation Fluid Pressure, psi	0.45 psi/ft est.	
) Lithostatic Pressure, psi	1.0 psi/ft est.	
) Hydrofracturing Pressure, psi	1.0 psi/ft est.	
) Age of Unit	Cambrian	Penn Camb.
) Porosity %	6	
) Permeability, millidarcies	6 - 8	
0) Reservoir Temperature, °C		
1) Character and Areal	shale, sandstone	shale, carbonates
Distribution	extensive	sandstone
		extensive
me Depth Thickness Ex	ther Useful Aquifers real Lithologic ttent Character	Fluid Character
me Depth Thickness Ex	real Lithologic	
Mineral Resources in Area: The are large coal deposits. Over 150 mi	real Lithologic character Character	Character I well is an area of
Mineral Resources in Area: The are	real Lithologic character Character	Character I well is an area of
Mineral Resources in Area: The are large coal deposits. Over 150 mi	real Lithologic character a around the disposa lion tons of coal had been coal had be	Character l well is an area or as been produced
Mineral Resources in Area: The are large coal deposits. Over 150 mi from the deposits.	real Lithologic character a around the disposa lion tons of coal had been coal had be	Character l well is an area or as been produced
Mineral Resources in Area: The are large coal deposits. Over 150 mi from the deposits.	real Lithologic character a around the disposa lion tons of coal had been coal had be	Character l well is an area or as been produced
Mineral Resources in Area: The are large coal deposits. Over 150 mi from the deposits.	real Lithologic character a around the disposa lion tons of coal had been coal had be	Character l well is an area or as been produced
Mineral Resources in Area: The are large coal deposits. Over 150 mi from the deposits. Location of Other Wells, Abandoned Immediate Hydrologically Affected	a around the disposallion tons of coal had wells, and Other Fe Area: N/A	Character l well is an area or as been produced netrations in

200,000

2. Physical/Chemical Description

Temperature: pH: 4.9

A. Conc. Suspended Solids, mg/l:
B. Conc. Dissolved Solids, mg/l:
C. Specific Gravity: 1.09

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3.	Toxicity: N/	A	Till till till till till till till till	-Bertalet - 20 - Bertalet - 20 - Bertalet - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2	
	installed.		ent Components: C:	thode type prot	ection system
5.	Degradability	Level and Rate:	N/A	endle vanennelle e video andlema air proi è na lidica Chandria dell'ilèpelé vanina na manunium. , , , , , , , , , , , , ,	
6.			and Estimated Biolog ction; bacterial ac		r Injection:
7.	Pre-injection \ control.	Waste Treatment:	Settling, pressu	re leaf filtrati	
<u>v.</u>	WELL DESIGN AN	D CONSTRUCTION			-
	Casing and Tub	ing			
Surf <u>Int</u> e	<u>Sace</u> ermediate	Hole Size 13-3/4	Casing or Tubing Weight and Grade	Size 10-3/4	Depth Set 498
<u>Inje</u>	ection er	8-3/4 7-7/8	23# Open Hole		5450 6160
2.	Type and Amoun	t of Cement, Cem	ment Additives, Empla	acement Horizon:	N/A
3.	Well Head Equi	pment (Name and	Models): N/A		
4.	Packers, Centr	alizers, and Oth	er Subsurface Equip	ment: N/A	ille en affilier (18 in 18 file) (March et 18 mille en 18 mille 18 file de sie en affilia (September en 18 mille e
	Rottom Unla Co				
5.		mpletion: Oper			
6.			ng Programs, etc.: resh water buffer zo		on is highly
VI.	DESCRIPTION O	F SURFACE EQUIPM	<u>ÆNT</u>		
1.	Holding Tanks	and Flow Lines:	13,000 gallon was	te rundown tank	; surge tank
2.	Filters: Lea	af and cartridge	filters		

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Pung	os:	The state of the s		
I. O	PERATION CHARAC	TERISTICS	And the second s	
Inje	ection Rate, gr	m (During Life of	Well to Present)
Date	e(s)	Average 50	Meximu	m 1000
86 84 ·		The state of the s		
	ection Pressure	e, psi (During Life	of Well to Pre	esent)
		Average 100		
11				And the second s
99				
	quantum quantum in the state of			
C.	Frequency of	Measuring Water Lev	vels and Hydros	tatic Heads: N/A
. Cor		for Well Failure D		
	gulatory Aspect	·	ndeli (I. d Typera programa	- green and a supplementary of the supplementary of
Α.		Requirements: N/A		
В	Monitoring Re	quirements: N/A	ger (gg appension) og gjer (gg appension) og gjer (gg appension) og gjer (gg appension) og gjer (g Gg appension) og gjer (gg appension) og gjer (gg appension) og gjer (gg appension) og gjer (gg appension)	
c.	Restrictions	of Operation Proce	dures: N/A	